## OPTICAL RETARDATION FILM AND ITS CONTINUOUS MANUFACTURING METHOD

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## Abstract of JP2001215332

PROBLEM TO BE SOLVED: To develop an optical relaradation film with <=80 nm optical returdation and its stable and efficient manufacturing method with little veniation in an ontentation angle. SOLUTION: The optical returdation film is composed of a nothermone type polymer from the film of the composed of a nothermone type polymer from the film of the composed of a nothermone type polymer from the film of the composed of the composed of a nothermone type polymer from the composed as rp., inqualities nx>=ny>rnz hold. The product of the difference of its refractive indexes between the two directions arbitrarily selected and the film thickness is <=80 nm and Nz, defined by a formula (rx-nz/(nx-ny), is 1-4, its continuous manufacturing method comprises a step unlaxially structing a long-length film composed of the northornency type polymer at a temperature >=30 e/g. Chipher than the glass transition temperature for the polymer 1-1-3 times its length in the width direction. Consequently the optical reteardation film is obtained which is with low retertedion, is excellent in heat resistance and is capable of highly precisely compensating variation of display characteristics due to the viewing angle of the logical crystal cell.

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